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File: USPT

Dec 26, 2000

DOCUMENT-IDENTIFIER: US 6165748 A

TITLE: Frazzled nucleotide sequences and expression products

Brief Summary Text (31):

As used herein, the term "Frazzled protein" refers to the Frazzled protein members which share sequence homology to the extracellular binding domains of the Frizzled protein family, including those encoded by the genes Hfz3, Hfz5, and Hfz7, as well as other Frazzled proteins, and Frazzled protein members found in other species and which share sequence homology to Frizzled proteins from other species, such as those described in Wang et al., Wang et al., J. Biol. Chem., 271:4468-4476 (1996). Specific members of the Frazzled protein family include the WG67-16, WG67-19 and WA628 proteins, having the amino acid sequences as specified in SEQ ID NO 2, 4, and/or 6 and/or SEQ ID NO 13-18, as well as homologues of these proteins found in other species. Frazzled family proteins also exist in other species, including family members in Drosophila, Xenopus, C. elegans, zebrafish, as well as in rats, mice and humans. "Frazzled proteins" also include variants of the Frazzled proteins, such as allelic variants or variants induced by mutagenesis or deletions, and fragments of Frazzled or Frizzled proteins which variants and fragments retain Frazzled activity, e.g., such as, the ability to bind to proteins, such as the Wnt or Wnt-like proteins (which Wnt or Wnt-like proteins would otherwise bind to membrane bound receptors, such as the Frizzled proteins).